

Rec^d Febr 15th
As Feb 17th 4.27th

Cambridge. 2nd Feb^y. 1844

Dear Doctor

To your kind favor of the 8^m Jan^y. which lies before me I make the hurried reply which want of time demands.

The Texan collection advised came to me a few days ago, and I glanced over it with pleasure. When I get a little leisure I will make a sort of report on such points as need it. But if another parcel is expected, I shall save much time by examining both at once.

I suppose I cannot touch them for six or 8 weeks; so you go on with your investigations, and I will take up the points you direct my attention to, hereafter.

The "leaf of a small tree cultivated on the Brazos" is Parkinsonia aculeata, belonging as you supposed to Camel. Over suggested Line =

Meimosa = Polygonella: - a genus R. Brown told me was a good one in 1839. - A Russian Botanist, I believe, C. A. Meyer, in a recent revision of Polygonaceae, has revised the genus.

A few days ago I sent to Mr. Jones, at Poppes, a parcel for you containing copies of your Manis Equisetum, Chama - Sporop list of Reyer's plants - all the total together. I had previously sent you 2 by mail. And I sent two, in the manner you desired to Prof. Brown.

I am glad Sullivan sent on the Cuscuta, as I desired. The flowers in the C. oxycaarpa Engelm. from Lyfatts valley were often strikingly large.

The "Lepidanche" from Brumcombe Co, Texas, the Catanka River in Burke, East of the Blue Ridge I remember very well, and was struck with its acute or pointed corolla. The "Shrub with spinulose-serrate evergreen leaves" on which it grew is Andromeda (See at the) axillaries or spinulose.



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GARDEN

and the "Alnus?" is *Corylus*. Hence I thought
it might be your *Cuscuta* *Coryli*.

The "fragment" on *Prinos glaber* sent a year ago,
if I rightly recollect - was collected by Dr. Gates.

The "*Cuscuta* *Coryli*" or *beautissima* *Helianthus*
(*laevigatus*)" was all I believe from the mountains
near Warm Springs, Virginia.

The "*C. vulpinea*" or the "*Cateula*" of course
east of the Blue Ridge. was only seen thereabouts,
or I think perhaps also on the French Broad River.

It grew chiefly on *Vernonia*.

You had best describe these *Cuscutas*
in a note to the account of Lindheimer's plants.
Or, if you please, also to draw up an account
of all you have recently got - with drawings of the
new ones, for Hooker's Journal of Botany. He would be
glad to publish as a note to what he has already
given, & I think hardly would engrave your
figures.

I have saved *Gaura* Lindheimer by cutting
put in pots last autumn. We shall have it in
flower early in the spring, and then shall exhibit
it at the Horticultural Society's Rooms in Boston.

It may recollect me. *Rustonia* *hippos*
is quite different from *R. rhomboides*, and has
not the ovate acute petals of the latter.

Mr. B. J. Greene in Boston, will put up some *Chama*
for Prof. Braun. I took a set of *Meris* plants, and sent them to
Macrae of Montreal. When he sends me the
money I will pay it over to Wiley Putnam.



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I have just sent copies of the list to England,
(and will presently to France) so I think they
will soon be in demand.
Do you hear from Fremont? or from Mr.
Luders?

(Yours very truly
A. Gray)

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MISSOURI
BOTANICAL
GARDEN

I have just sent you a copy of the list of plants
 (and will forward it to you) do I think this
 will give you some idea of the amount of the list
 (I have sent you a list of plants)

25



To Geo. Engelmann, M. D.,
 St. Louis
 Missouri.

1844 444
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MISSOURI
 BOTANICAL
 GARDEN

Rec^d March 26th
by April 8th Cambridge March 13, 1844
My Dear Doctor

Your s of 17th Feb. duly reached me, and yesterday that of the 27th. - I am greatly pressed for time, and therefore write very cursorily.

My most immediately important suggestion I put first; which is this.

Do not print labels for the Lindheimer collections; but distribute the sets by numbers only - as is done by Hartweg's collections - and others, where a list is published. You can have sets of numbers printed off from 1 to - - - - at a trifling expense - and so can distribute the sets as fast as you please; only making sure that your own set, and your Mss. is numbered accordingly. And I will have copies of the published account to distribute to all the subscribers, as well as others. This will save very much time and trouble.

Can not Lindheimer send you another set of plants early this spring. It would be much more economical to distribute as many as 500 species at the outset.

To go over the matter as far as your manuscript goes will require at least 10 days constant labor on my part; which I



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Cannot give till next month.

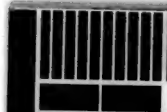
Your new *Gaura*s must many of them be identical with *Spach's* half dozen new species made on Drummond's Texan collecting, poorly described. I must collate all the specimens before I can let them go to press, so as not to introduce names which must be changed. I shall have many remarks

to make presently. Go on and distribute the sets by numbers. — The rest all in good time.

All your formerly proposed species — the *Ranuncula* for instance, — must bear your own name alone (*Engelm. n. sp.*) The other, merely mark in copy *n. sp.* The title of the paper then shows who is to be cited for them.

I have just received a package from Hooker, which contains 1st a copy of *Choisy's* paper on *Cuscutaceae*, from *Choisy*, for you! This I will send by ~~mail~~ mail to you — as you will be anxious to see it at once. I think it will not injure the plates to fold them. — And 2^d,

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN



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MISSOURI
BOTANICAL
GARDEN

A fine set of London Journal of Botany
from Hooker himself. I believe the whole
up to Jan 2, last. This I shall send at
once to New York to C. & T. Pope - by the Express,
- with a line directing them to forward them by
the earliest opportunity to you.

Your proposition of the charges on parcel from
London, and duties will be \$1.25, - which I
shall endeavor to collect of Pope & Co - through
the Express.

I remain, Dear Sir

Yours very truly
A. Gray

MISSOURI BOTANICAL GARDEN
ENGELMANN PAPERS

~~MS. Journal of Botany~~ ~~sent to you~~ ~~by the Express~~



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MISSOURI
BOTANICAL
GARDEN

1844
March 13
" 26
April 8
A. Gray
Cambridge

Missouri

St. Louis

Eschmann

St. Louis



25

P.S. Consider Mr. J. J. Eschmann a
subscriber to *Smithsonian* vol. and
send him a numbered list.



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MISSOURI
BOTANICAL
GARDEN

Rec^d May 2^d
Ans Oct 6 5th Cambridge 22^d April, 1844
Dear Doctor

Yours of April 9th reached me
on Saturday. I am glad you safely
received Choisy &c. - and hope the rest of
London Jour. Botany will soon reach you.
I am glad you like the plan of distributing
by numbers, which is infinitely the best
plan. A little touch of glue to the back
of each label will make it stick to the
plant: and indeed, except the specimens
be much crowded this even is not necessary.
For any subscriber can make corrections in-
cident to any displacement by means of the printed
list. You can print simple numbers
on small pieces of paper: but it would
be better to print a label thus, or some
such way.

So you
can distribute the first
coll into sets, and have
them all ready to forward
wth the 2^d coll, &c.

Pray make the
specimens pretty
full and copious.
This was the case
with Drummond, and

then

Lindheimer's Texan Coll.

Part II. (Jan^y - April 1844.)

Other collectors, and is expected by the



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purchasers. The numbers in the
2^d set should run on from the first - com-
mencing with no. 215 - etc. - This prevents
confusion. You must exclude from the
second coll. all species that are already in
the first, except those are rare and peculiar
species in a very different state from those in
the first, or marked varieties. As soon as
you have thus distributed the Spring coll. for
1844, you can send all you intend for eastern
subscribers and for England, to New York (shall
you send some to your friend Braun in Germany?)
and I will have them forwarded to England.
Would it not be well to present a set to Sir Wm.
Hooker? who has already received some orders
for them, I know. -

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

You must send from St. Louis one set
to Mr. J. Lullivant, Columbus, Ohio, - advising
him by mail; and he will remit the price
to you.

B. D. Greene, Esq. is a subscriber -
through me. Send him set to me; this I can
collate with my own, and your list, to keep
the numbers straight, with your rectifications.
It will be to me a formidable task to
study this collection as thoroughly as I wish,
But it will save much time if I can study



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GARDEN

both collections at once; and I shall therefore wait the arrival of the 2^d set. If it does not reach me in time to prepare for the July no. of *Silliman*, I shall insert in that no. a kind of advertisement, referring to the next no. for a full account. There will be little delay, for if I get the materials in my hands in June, I can have it printed off in the course of July, ~~and~~ in advance of the publication of the next no. - and the extra copies widely distributed abroad before October.

I have received the 4th vol of *Kuntze's* *Enumeratio*. I shall have to collate your species of *Hyss.* &c. with that.

The 8th of *St.* will be here very soon; that will help us in *Utricularias*, &c. - A great part of this coll. exists in *Dumort.* *monstr.* sets, from which so many species have been published in scattering places, that one must keep a bright look out.

I hope that Lindheimer will presently be able to go farther into the interior.

I have not yet received the 3^d Supplement to Endlicher's *Gen. Pl.* - which doubtless contains his change of our *Cyphomannia* into *Angelandra* - a pretty play upon the name; but he should have applied it to *Klotzsch's* genus; as ours is much the oldest. If I find it as you say, I shall approve Endlicher's change for changing the older names, and shall protest against its standing.



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Your *Eragrostis prostrata* or your *E. radicans* is a species described by Nuttall, - which like *E. reptans*, has two remarkable (differences!) forms.

We expect the mail steam-boat from England this morning.

I remain, Yours cordially
A. Gray

25

Dr. George Engelmann

St. Louis

Missouri

1844
April 22^o
May 2^o
Oct 6 5th

A. Gray
Cambridge



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MISSOURI
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GARDEN

Rec^d - Oct 28th
Ans Dec 6th

Cambridge - Oct. 16, 1844

My Dear Doctor

I was just on the point of writing you, when your long expected letter of the 5th inst arrived. I have all along expected the set of Lindheimer's new plants was on the way - and waiting to announce their arrival. This has kept me from writing.

Last summer I took the set I have to compare with Dr. Torrey's *Barbaram* - and made a number of notes of more or less consequence. I only awaited the additional set that I might work up the list for publication. I thought that the first sending had better be a pretty large one - to save small scattered sums. It - and valuable as his new collections could make it, as those on hand contain a pretty large number of common plants of the North & South.

Your ~~*Clematis cypripedica*~~
Clematis denticulata is *C. cypripedica* var.

Lida Lindheimeri is a good sp.

I was going to run through my memoranda - but find that my notes are many of them with the specimens, which I have not time now to look over. The *Brassia* must be new and fine.

Send me seeds. -



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You are right to send a new Cuscuta-paper
to Hooker. I will write to him in my next
as you wish. Sorry Lindheimer has so few
plants to add. Your *Lisianthus glaucifolius*? =
L. Russellianus, Hook. Very many of these show
Texan plants are figured in Bot. Mag. or Bot. Reg.

Pray do not think Baker has taken offence.
He is queer about letter-writing. Sometimes he
replies at once, but often months will pass,
when I can get not a word from him, even
though I urgently write him on subjects that
require immediate attention. He is busy
with White Mountain Botany. You will hear
from him ere long. I am sure he is not
offended. He is at this moment serving me just
as yourself. - leaving me without reply to an
urgent letter that only requires a moment's
time to answer.

I am now driving away at a new edition
of my Botanical Text Book. And I want among
the numerous new figures to give a Cuscuta.
The common *C. vulgaris* would be best.

I want a sketch to illustrate its physiology and
mode of growth. - and other dissections. That of

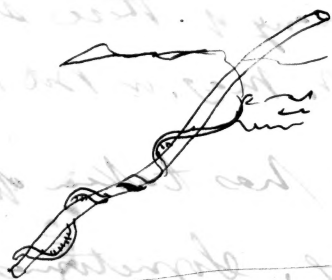


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Chrys is insufficient. Will you, in a letter make
for me a sketch (in pen) that I can have copied
on the block of wood - like ~~Chrys~~ Chrys's A, - only
with the stem longer, and coiled more round and
round the stem it grows on. - You know what



I want. Also analyses of
the seed and embryo.

Is this figure of the flower of
that species a good one?

I have lost much time the past summer,
and have a great deal of hard work to do this
winter.

I remain, in haste

Very cordially Yours

Gray.



MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



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MISSOURI
BOTANICAL
GARDEN

being insufficient. Will you, in a letter state
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 from the stem to grow on. - You have what

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George Engelmann

St. Louis

Missouri

1844
 Oct 15
 Dec. 6
 28
 Cambridge

